

# U.S. GEOLOGICAL SURVEY

DFS V LOG



71

VESSEL BALKASH CRUISE NO. BAK-92-2 DATE 9-18-92

SHOT INTERVAL (DISTANCE) \_\_\_\_\_ m OR TIME 25 sec.

OFFSET 400 m PRIME NAVIGATION GPS

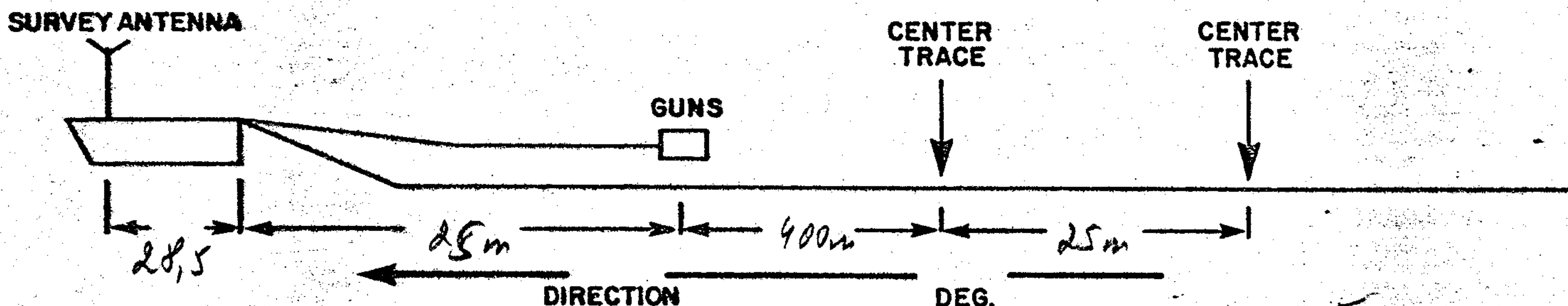
LINE NO. 0015 DIR. \_\_\_\_\_ DEG. CABLE TYPE 96

LOCATION C. BASIN TRACE INT. 25m

SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT —

RECORD LENGTH 9 sec EXTENDED HEADER START WORD —

SOUND SOURCE 1435 cu in. @ 1900 psi @ 6 depth (m)



## RECORD

## REPRODUCE

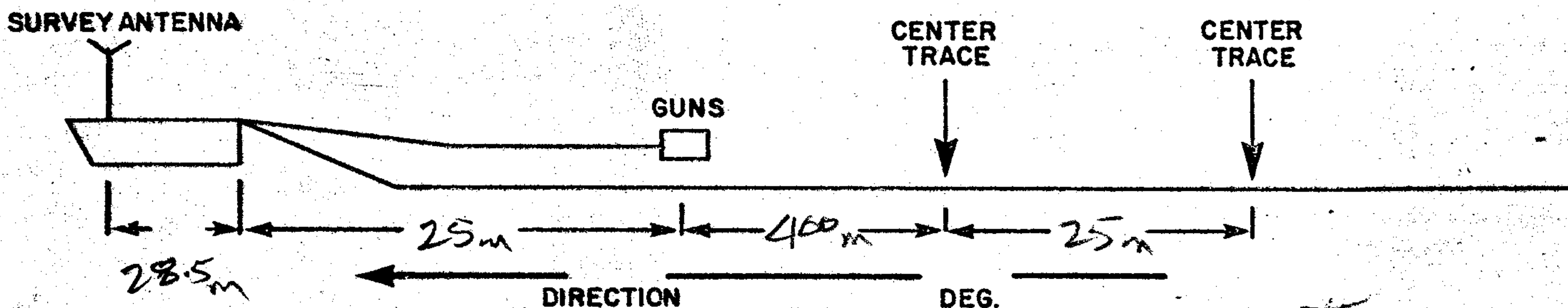
INPUT GAIN (500 OHM IMP)	FILTERS		MAN (IFP)	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
36dB	5/15	64		5	64	3	2	ALC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	380	261	0015	045	1	73			19:25	19:54
2	381				74	78			19:54	19:56
1	382				89	161			20:01	20:30
1	383				152	234			20:31	21:01
1	384				235	307			21:02	21:31
1	385				308	380			21:33	22:02
1	386				381	453			22:03	22:32
1	387				456	528			22:35	23:06
1	388				529	601			23:07	23:34
1	389				602	649			23:34	23:55
1	390	262	0015	045	650	722			23:55	00:23
1	391				723	795			00:23	00:52
1	392				796	868			00:52	01:20
1	393				869	942			01:20	01:51
1	394				943	1014			01:51	02:17
1	395				1015	1087			02:17	02:47



71A

SOUND SOURCE 1435 cu. in. @ 2000 psi @ 6 depth (m)



RECORD					REPRODUCE				
INPUT GAIN (500 OHM IMP)		FILTERS		MAN (IFP)	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
		LO/SLOPE	HI		LO	HI			
36		5/15	64		5	64	3	2	AGC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	396	262	0015	045	1088	1160			02:47	03:14
1	397				1161	1233			03:15	03:45
	398				1234	1306			03:45	04:13
	399				1307	1379			04:13	04:42
	400				1380	1452			04:42	05:11
	401				1553	1525			05:11	05:40
	402				1526	1598			05:40	06:10
	403				1599	1671			06:10	06:38
	404				1672	1744			06:38	07:05
	405				1745	1817			7:06	7:34
	406				1818	1890			7:35	8:03
	407				1891	1963			8:04	8:32
	408				1964	2036			8:33	9:01
	409				2037	2055			9:02	9:09
end of Line 15										



## OBSERVER'S MARINE REPORT

VESSEL BALKASH DATE 9-18-92 # 72

Client USGS Type instrument DFSV Offset distance 400  
 Area C. BASIN Record filter 5-64 HZ Group interval 25  
 State BAIKAL Sample rate 4 ms Fold coverage 24  
 Observer Nichols gun depth 6m in.<sup>3</sup> of guns 1435

Pre-plot	Shotpoint	File No.	Time	#ldlr.	Cable Depth	W.D.	Reel No.	Line No.	Remarks
		001	19:25	043	9 - 8	449	380	015	001 NO GUNS
		016	19:31	039		490			
		052	19:45	045		679			
		092	20:04	046	7 - 9		381		PE# 74-78
		128	20:15	046		673	382		
		162	20:31	042		708	383		
		197	20:45	046	10 - 8	856			
		233	21:00	044		806			
		268	21:15	044		896	384		
		306	21:30	043		909			
		341	21:46	045	9 - 9	860	385		
		376	22:00	043		794			
		381	22:03				386		381 NO GUNS
		412	22:15	045	10 - 10	743			
		448	22:30	045		711			
		482	22:45	044		669	386		ID
		520	23:00	045	9 - 8	610	387		
		556	23:15	046		546			
		593	23:30	043	7 - 9	460			602 No DATA
		630	23:45	042		440			
		666	00:00	041	7 - 8	421			685 CR & OFF Line
		705	00:15	040	8 - 8	420			
		742	00:30	041	7 - 8	394			
		781	00:45	042	8 - 8	379	391		
		818	01:00	041	7 - 8	367	392		
		857	01:15	042	8 - 8	358			
		894	01:30	042	9 - 8	347	393		
		933	01:45	041	8 - 8	349			
		971	02:00	041	9 - 8	349	394		
		1010	02:15	040	8 - 8	351			
		1047	02:30	041	9 - 8	350			
		1086	02:45	041		337			
		1124	03:00	042	9 - 7	336			
		1207	03:33	044	8 - 8	347			
		1287	04:05	043		317			
		1323	04:19	044	10 - 9	289			
		1363	04:35	044	9 - 8	283			
		1422	05:00		1 - 7	112			



## OBSERVER'S MARINE REPORT

VESSEL BalkhashDATE 9/18/92 # 72A

Client USGS Type Instrument D/S - II Offset distance 400m  
Area BALIKAL Record filter .5-64 Group Interval 25m  
State Central Basin Sample rate 4ms Fold coverage 24  
Observer Twigg et al. gun depth 6m In.<sup>3</sup> of guns 1435

Pre-plot	Shotpoint	File No.	Time	#1 dir.	Cable Depth	W.D.	Reel No.	Line No.	Remarks
		1503	0530	047°	8 — P	613	401	15	3 guns on line #3 down
		1541	0545	041°	8 — 8	812	402		
		1580	0600	049°		878	402		8 gun on line #3 back on
		1659	0630	044	8 — 8	891	403		
		1694	0645	042°		894	404		
		1733	0700	044		897			
		1769	0715	042		896	405		
		1804	0730	043		896			
		1845	0745	046		895	406		
		1884	8:00	046		889			
		1922	8:16	047		883	407		
		1960	8:30	047		878			
		2005	8:45	042		879	408		
		2034	9:00	042		873			
		2055	9:09	041		864	409		

end of line 15